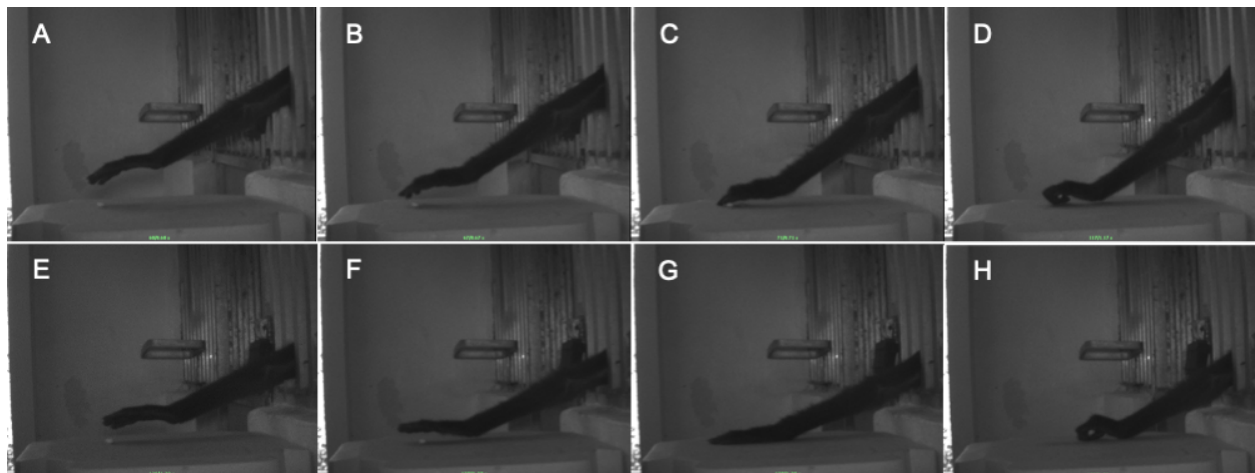**Supplemental Video 1. Tracking a monkey's reach to the small object with preshaping.** The video is a screen recording of the 2-D digitization for a reach to the small object. The red circle denotes the wrist marker added to the video frame-by-frame with MaxTRAQ 2D software (Innovision Systems, Inc., Columbiaville, Michigan). In this trial, the spider monkey (Cary) used a preshaped grasp strategy. Supplemental Figure 1 A-D shows the posture of the hand as a sequence of video stills from this trial, including the withdraw-to-eat movement.

Supplemental Video 1. Tracking a monkey's reach to the small object with no preshaping. The video is a screen recording of the 2-D digitization for a reach to the small object. The red circle denotes the wrist marker added to the video frame-by-frame with MaxTRAQ 2D software (Innovision Systems, Inc., Columbiaville, Michigan). In this trial, the spider monkey (Cary) did not preshape grasp. Supplemental Figure 1 E-H shows the posture of the hand as a sequence of video stills from this trial, including the withdraw-to-eat movement.

Supplemental Figure 1. Comparing the posture of the hand on two small object trials that differed in grasp strategy. The video stills in A-D show how the posture of the hand changed across a trial for a reach to the small object with preshaping (compare to Supplemental Video 1). The video stills in E-H show how the posture of the hand changed across trial for a reach to the small object with no preshaping in the same spider monkey (compare to Supplemental Video 2).

Supplemental Figure 1.